14. A method of operating a data storage device comprising a first core, a plurality of second cores and a non-volatile memory device, the method comprising:

receiving a command from a host;

extracting address information from the command;

determining whether a target designation mode has been set based on the address information extracted from the command;

transmitting a request comprising the address information to the plurality of second cores; and

processing, by the first core, the command to generate a sub-command.

15. The method of claim **14**, further comprising determining whether the plurality of second cores support a queue format after the determining whether the target designation mode has been set;

forming a queue comprising the request, in response to determining the plurality of second cores support the queue format; and

transmitting the request in the queue to the plurality of second cores.

16. The method of claim **15**, wherein the address information comprises logical address information corresponding to peripheral devices comprised in the data storage device; and the logical address information comprises a namespace, a volume, a logical block address, and a length.

17. The method of claim **14**, further comprising, determining, by each of the plurality of second cores, whether the address information indicates the second core as a selected second core; and

processing, by only the selected second core, the request.

18. A method of operating a data storage device comprising a first core, a second core, a non-volatile memory device and an address extractor, the method comprising:

determining whether the first core is in an idle state;

receiving, using the second core, a request output from the address extractor;

determining, in response to the first core being in the idle state, using the second core, whether a target designation mode has been set based on the request output from the address extractor;

analyzing, in response to the determining indicating the target designation mode is not set, the request to determine a request target; and

performing an operation corresponding to the request in response to the analyzing indicating the second core is the request target.

19. The method of claim **18**, further comprising performing, by the second core, an operation corresponding to a sub-command output from the first core in response to the determining indicating the first core is not in the idle state.

20. The method of claim **19**, wherein the second core is one of a plurality of second cores, and the request target uniquely identifies the second core.

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